

Lesson 7

Teacher Notes – Electrical Safety Emergency Plan

Outcomes Written In line With The New South Wales Board of Studies

Personal Development, Health and Physical Education Syllabus	Science & Technology Syllabus	English Syllabus
<u>Stage 3 Outcome</u> SLS 3.13 • Describes safe practices that are appropriate to a range of situations and environments.	<u>Stage 3 Outcome</u> PP S3.4 • Identifies and applies processes involved in manipulating, using and changing the form of energy.	<u>Stage 3 Outcome</u> WS 3.9 • Produces a wide range of well structured and well presented literacy and factual texts for a wide variety of purposes and audiences using increasingly challenging topics, ideas, issues and written language features.

Lesson Objective: Students will be able to take appropriate action in establishing an emergency plan.

Resources:

- Picture 7 – Hair dryer near basin.
- Worksheet – Lesson 7 Electrical Safety Emergency Plan.
- Overhead – Fire Burns Down Local Fish and Chip Shop.

Lesson Plan Outline

1. Discuss Picture 7 – Hairdryer near basin. Explain if the hairdryer is plugged in and turned on and falls into the water it will form a circuit. Water is a conductor of electricity and anyone touching the water or the hairdryer may be electrocuted.
2. Split the class into 8 groups. Assign a situation to each group to create a short radio/TV news report. The report should outline what took place and the correct way to deal with each situation. Ask the group to select a spokesperson to report the story back to the class.
Situations
 - a) Car hits a power line and power lines fall down.
 - b) Golfers sheltering under a tree which is hit by lightning.
 - c) House burns down due to a frayed power cord.
 - d) While towing a boat to the beach, the mast hits a power line.
3. List answers on the board.
Reports should include the 4 steps:
 - 1) Ensure your own safety.
 - 2) Turn the power off at the power point and remove the plug (if you are able to do so).
 - 3) Call an adult.
 - 4) Call 000.
4. Hand out worksheet – Lesson 7 Electrical Safety Emergency Plan. Students copy information onto worksheet.
5. Read and discuss the overhead: “Fire Burns Down Local Fish And Chip Shop”.
6. Students complete their own newspaper article, using the Report Writing format.
7. Discuss the safety message at the bottom of the worksheet “Remember electricity and water do not mix.”

Lesson 7 – Electrical Safety Emergency Plan



Name : _____ Class : _____ Date : _____

1. What should be done in each electrical emergency?

a. Car hits a power line and power line falls down.

b. Golfers sheltering under a tree which is hit by lightning.

c. House burns down due to a frayed power cord.

d. While towing a boat to the beach, the mast hits a power line.

2. Write a newspaper article about an electrical emergency situation involving water. Make up a story and include the correct steps that should be taken to ensure the safety of all concerned.

Headline:



...electricity and water do not mix!

Students will be able to take appropriate action in establishing an emergency plan.

Fire Burns Down Local Fish And Chip Shop

Yesterday a fire ripped through Stan's Fish and Chip shop on the corner of Scale and Harry Street. The blaze was thought to have started from an electric motor overheating. There were several people in the shop and luckily there were no fatalities.

One of the customers was about to throw a bucket of water on the electric heater. The owner of the

shop told him to put the bucket down and call the fire brigade. The owner then went and turned off the power at the fuse box and waited for the firemen to come and put the blaze out.

The fire brigade arrived within minutes and had the blaze under control. The owners were very upset and intend to rebuild the shop as soon as possible.

What to do in an electrical emergency:

1. Ensure your own safety. 2. Turn the power off at the power point and remove the plug (if you are able to do so). 3. Call an adult. 4. Call 000.